

RECEIVED

STATE OF OREGON
WATER WELL REPORT
 (as required by ORS 537.765)

APR 06 1988

No. 1184 245/25E-27

ac

(1) OWNER:Name **USDA-ARS-Squaw Butte Station**Address **Star Rte. 1-4.51 Hwy 205**City **Burns**State **Oregon** Zip **97720****(2) TYPE OF WORK:**
☒ New Well
 ☐ Deepen
 ☐ Recondition
 ☐ Abandon
(3) DRILL METHOD
☒ Rotary Air
 ☐ Rotary Mud
 ☐ Cable
 ☐ Other
(4) PROPOSED USE:
☐ Domestic
 ☐ Community
 ☐ Industrial
 ☒ Irrigation
 ☐ Thermal
 ☐ Injection
 ☒ Other **stock**
(5) BORE HOLE CONSTRUCTION:Special Construction approval Yes ☐ No ☒ Depth of Completed Well **625** ft.Explosives used ☐ Yes ☒ No ☐ Type _____ Amount _____

HOLE			SEAL			Amount sacks or pounds
Diameter	From	To	Material	From	To	
12"	0	30	Bentonite	0	30	20 sacks
8"	30	625				

How was seal placed: Method ☐ A ☐ B ☐ C ☐ D ☐ E☒ Other **poured down**

Backfill placed from _____ ft. to _____ ft. Material _____

Gravel placed from _____ ft. to _____ ft. Size of gravel _____

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	6"	+2	625	.250	☒	☐	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
Liner:					☐	☐	☐	☐
					☐	☐	☐	☐

Location of shoe(s) **none****(7) PERFORATIONS/SCREENS:**
☒ Perforations Method **Factory**
☐ Screens Type _____ Material _____

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
545'	625'		768	1/8"x3"		☒	☐
						☐	☐
						☐	☐
						☐	☐
						☐	☐
						☐	☐

(8) WELL TESTS: Minimum testing time is 1 hour
☒ Pump
 ☐ Bailer
 ☐ Air
 ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
25	14'		1 hr.
25	14'		2 hr.
25	14'		24 "

Temperature of water **70*** Depth Artesian Flow Found _____Was a water analysis done? ☐ Yes By whom **no**Did any strata contain water not suitable for intended use? ☐ Too little☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other **no**

Depth of strata: _____

(9) LOCATION OF WELL by legal description:
 County **Harney** Latitude _____ Longitude _____
 Township **24S** N or S, Range **25E** E or W, WM.
 Section **27** SW $\frac{1}{4}$ NE $\frac{1}{4}$
 Tax Lot _____ Lot _____ Block _____ Subdivision _____
 Street Address of Well (or nearest address) **see #1**
(10) STATIC WATER LEVEL:**497** ft. below land surface. Date **2-23-88**

Artesian pressure _____ lb. per square inch. Date _____

(11) WATER BEARING ZONES:Depth at which water was first found **502**

From	To	Estimated Flow Rate	SWL
502	535		
535	625		497

(12) WELL LOG:Ground elevation **unknown**

Material	From	To	SWL
Top Soil & Clay	0	10	
Grey Conglomerate-solidified	10	55	
Mild Brown Lava	55	93	
Mild Black Lava	93	115	
Lt. Brown Conglomerate-solid	115	121	
Obsidian	121	231	
Broken Brown Lava	231	245	
Brown Conglomerate-solid	245	287	
Hard Brown Lava	287	336	
Red Sandstone	336	370	
Dk. Brown Sandstone	370	396	
Mild Red Lava	396	406	
Broken Lava-solid	406	431	
Hard Grey Lava	431	490	
Broken Lava	490	495	
Hard Grey Lava	495	502	
Broken Lava-Water/Bearing	502	535	
Clay & Gravels/Water-Bear'g	535	625	

Date started **Dec. 21, 1987** Completed **March 18, 1988****(unbonded) Water Well Constructor Certification:**

I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon well construction standards. Materials used and information reported above are true to my best knowledge and belief.

 Signed *[Signature]* WWC Number **1276***
 Date **March 18, 1988**
(bonded) Water Well Constructor Certification:

I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. all work performed during this time is in compliance with Oregon well construction standards. This report is true to the best of my knowledge and belief.

 Signed *[Signature]* WWC Number **608**
 Date **Mar. 28-88**